



# NATURAL SCIENCE



S. W. G. Ellyard





## CONTENTS

	Page
SOME THINGS TO REMEMBER .....	4
ANIMALS THEN AND NOW .....	5
WHAT CAUSES EVOLUTION .....	7
HURRYING UP EVOLUTION .....	8
SOLIDS, LIQUIDS AND GASES .....	10
ENERGY FROM FOOD .....	12
OUR OWN SPECIAL PLANTS AND ANIMALS .....	14
WHAT IS AIR? .....	17
AUSTRALIAN PLANTS .....	19
SAVING OUR PLANTS AND ANIMALS .....	20
THE SEASONS .....	22
HOW DO BABY ANIMALS KNOW? .....	24
GIVING PLANTS A CHANCE .....	25
FERTILISERS .....	27
KEEPING FOODS .....	28
WHEELS WHICH MOVE WHEELS .....	29
PESTS AND DISEASES .....	31
EXPLORING ELECTRICITY .....	33
CONDUCTORS AND INSULATORS .....	35
ELECTRICITY AND HEAT .....	36
LEARNING MORE ABOUT ANIMALS .....	37
THE LAW PROTECTS PLANTS AND ANIMALS .....	41
MAKING AND HEARING SOUNDS .....	43
PUTTING PLANTS AND ANIMALS IN GROUPS .....	45
THE ENERGY OF MOVING AIR AND WATER .....	46
ELECTRICITY AND MAGNETISM .....	48
MAKING ELECTRICITY .....	51
DYNAMOS OR GENERATORS .....	53
CARE WITH ELECTRICITY .....	54
DO YOU KNOW? .....	55
ROCKS OF THE CRUST .....	56
PETROLEUM .....	58
MAKING LIGHT BEND .....	59
THE SPEED OF SOUND .....	61
ENERGY FROM COMPRESSED AIR .....	63
PICTURES IN ROCKS .....	65
HEAT MAKES GASES GROW BIGGER .....	67
HEATING OUR HOUSES .....	70
DEALING WITH FIRES .....	71
MORE ABOUT LEVERS .....	72
WINDS .....	74
THE SOLAR SYSTEM .....	76
PRESSURE IN LIQUIDS .....	79
MEASURING HUMIDITY .....	80
THE MILKY WAY .....	81
MEASURING DISTANCE .....	81
MEASURING TIME .....	82
EXPLORING THE OCEAN DEPTHS .....	83



# YOU SHOULD KNOW WHAT THESE WORDS MEAN

A.

aborigine  
Alpha Centauri  
anteater  
apparatus  
appliance  
archaeopteryx  
arthropod  
artificial  
asphalt  
asteroid  
atmosphere

B.

bacteria  
bandicoot  
basalt  
bathyscaphe  
bathysphere  
battery  
Betelgeuse  
bivalve  
boronia  
bottlebrush  
bower bird  
budgerigar  
buffalo

C.

carbohydrate  
carbon  
carbon-dioxide  
centipede  
chemical  
Christmas Bush  
circuit  
clay  
cobalt  
cochlea  
combustion  
comet  
compass  
compressed  
compressor  
conduction

conductor  
conglomerate  
contour  
convection  
crayfish  
crustacean  
crystal  
current  
cuscus  
cylinder

D.

daphne  
dehydration  
deterioration  
detonator  
diamond  
diesel  
dilute  
dimetrodon  
dingo  
dynamite  
dynamo

E.

Earth  
echo  
eclipse  
echidna  
electricity  
electro-magnet  
electron  
emu  
energy  
environment  
eohippus  
equipment  
erosion  
eucalyptus  
evaporate  
evolution  
expand  
explosion  
extinct  
extinguish

F.

fauna  
fertiliser  
five-corners  
flora  
fossil  
fulcrum  
fuse

G.

galah  
galaxy  
galvanometer  
gas  
gear  
generator  
geologist  
giraffe  
granite  
gravel

H.

heritage  
humidity  
hydraulic

I.

igneous  
inherit  
immune  
inclined  
instinct  
insulation  
insulator  
iodine  
irrigation  
isobar

J.

jerboa  
Jupiter



K.  
kangaroo  
kerosene  
koala  
kurrajong

L.  
larynx  
lever  
limestone  
liquid  
lubricating  
lyre-bird

M.  
magnet  
magnetism  
maidenhair  
mallee-fowl  
mantle  
manure  
marble  
margarine  
Mars  
marsupial  
mastodon  
membrane  
mercury  
Mercury  
metal  
metamorphic  
meteor  
methylated spirits  
microbes  
millipede  
mineral  
moisture  
mollusc  
molten  
mutation  
myxomatosis

N.  
Neptune  
nitrogen  
nozzle

O.  
orchid  
Orion  
oxygen

P.  
parallel  
pasteurised  
perfume  
perspiration  
petrol  
petroleum  
piston  
pitch  
planet  
plankton  
plastic  
platypus  
Pluto  
pneumatic  
porpoise  
possum  
prawn  
pressure  
prism  
pumice

Q.  
quarantine

R.  
radiation  
radiator  
rainbow  
recorder  
reflection  
refraction  
refrigeration  
refuge  
respiration  
rotation

S.  
sanctuary  
sandstone  
Saturn  
scorpion  
sediment  
sedimentary  
shale  
she-oak  
shrimp  
siderial  
skeleton

slate  
slater  
solid  
spectrum  
starch  
static  
superphosphate  
sulphate of ammonia  
sulphuric acid

T.  
tapioca  
temperature  
terminal  
tick  
tincture  
trace-element  
translucent  
transmitter  
transparent  
turbine

U.  
univalve  
uranium  
Uranus

V.  
vacuum  
valve  
vapour  
vaseline  
Venus  
vibrate  
vibration  
vice  
vinegar  
violin  
volt

W.  
wallaby  
waratah  
wattle  
wombat

X.  
xylophone